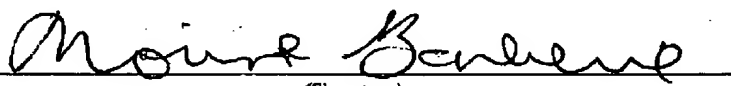


<b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b>			Docket No. DP-304592/DE3-0214	
Applicant(s): Reeny T. Sebastian et al.				
Application No. 09/989,486	Filing Date November 20, 2001	Examiner Brian J. Broadhead	Group Art Unit 3661	
Invention: Rear Steering Sensor Diagnostic Algorithm For Four-Wheel Steering Systems				
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I hereby certify that this <u>Response and Appeal Brief</u> (Identify type of correspondence) is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>571-273-8300</u> ) on <u>10/20/06</u> (Date)				
Norine Barberie (Typed or Printed Name of Person Signing Certificate)				
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: REENY T. SEBASTIAN ET AL. )  
SERIAL NUMBER: 09/989,486 ) Group Art Unit: 3661  
FILED: NOVEMBER 20, 2001 ) Before the Examiner:  
FOR: REAR STEERING SENSOR ) BRIAN J. BROADHEAD  
DIAGNOSTIC ALGORITHM FOR )  
FOUR-WHEEL STEERING )  
SYSTEMS )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RESPONSE

This Response is responsive to the Notification of Non-Compliant Appeal Brief dated September 27, 2006. The Appeal Brief is resubmitted herewith and has been revised to include the Evidence Appendix and Related Proceedings Appendix, as indicated in the Notification.

It is believed that the Appeal Brief is now in full compliance with 37 C.F.R. 41.37, whereby entry thereof is respectfully requested.

If there are any additional charges with respect to this Amendment or otherwise,  
please charge them to Deposit Account No. 06-1130 maintained by Applicants' attorney.

Respectfully submitted,

REENY T. SEBASTIAN ET AL.

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OCT 20 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: REENY T. SEBASTIAN ET AL. )  
)  
SERIAL NUMBER: 09/989,486 ) Before the Board  
) of Appeals  
FILED: November 20, 2001 )  
) Appeal No.  
)  
FOR: REAR STEERING SENSOR )  
DIAGNOSTIC ALGORITHM )  
FOR FOUR-WHEEL STEERING )  
SYSTEMS )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

APPEAL BRIEFREAL PARTY IN INTEREST

The real party in interest is DELPHI TECHNOLOGIES, INC., the assignee of recorded dated 11/20/2001, reel / frame 012317 / 0411.

RELATED APPEALS AND INTERFERENCES

There are no related appeals and interferences.

STATUS OF CLAIMS

Claims 2 – 6 and 20 have been allowed.

Claims 7 – 14 stand objected to.

Claim 16 has been cancelled.

Claims 1, 15, and 17 - 19 stand rejected.

The rejection of claims 1, 15, and 17 - 19 is herein appealed.

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STATUS OF AMENDMENTS

The Amendment After filed April 28, 2006 has been considered as indicated in the Advisory Action dated May 15, 2006, whereby the status of the claims was corrected, and, is now as indicated above.

SUMMARY OF CLAIMED SUBJECT MATTER

A concise explanation of the subject matter defined in each of the independent claims 1, 15, and 17 - 19 involved in the appeal is provided below:

Claims 1, 15, 17 - 19 are directed generally to validating a rear steering angle of a vehicle, with claim 1 reciting a method, claim 15 reciting a storage medium, claim 17 reciting a steering system, and claim 18 reciting a controller for a rear-wheel steering system.

Each of these claims 1, 15, 17 - 19 includes the common recitations discussed below.

The "receiving a plurality of signals indicative of said rear steering angle", is described in an exemplary embodiment as "the rear-wheel angle is measured by a real-wheel-angle sensor that produces output signals ...", see paragraph 0018 of the application.

The "checking at least one of said plurality of signals to determine if it falls within a valid range" is described in an exemplary embodiment as "[t]he diagnostics implemented in this algorithm determine whether signal-1 and signal-2 are each in a specified range ...", see paragraph 0018 of the application.

The "correlating at least a first signal of said plurality of signals with at least a second signal of said plurality of signals to determine if either said first signal or said second signal is invalid", is described in an exemplary embodiment as "[t]he algorithm also checks the correlation between signal-1 and signal-2 to determine whether the signals are shorted to each other or otherwise incongruent ...", see paragraph 0018 of the application.

The "signaling a rejection if any of said plurality of signals is found to be invalid", is described in an exemplary embodiment as "[i]f signal-2 is not within the valid range ...  
... a function 73 produces a signal indicative of a rear sensor

signal-2 out-of-range fault...”, see paragraph 0021 of the application, and “[i]f signal-1 is not within the valid range ... a function 92 produces a signal indicative of a rear sensor signal-1 out-of-range fault...”, see paragraph 0028 of the application.

Claim 17 further recites “at least one actuator in operable communication with a pair of rear wheels”, which is described in an exemplary embodiment as “the rear steering mechanism 16 further comprises a mechanism...”, see paragraph 0014 of the application

The above exemplary embodiments are discussed with respect to the aforementioned independent claims by way of example only and are not intended to in any way limit the scope of these claims.

GROUND OF REJECTION TO BE REVIEWED ON APPEAL

Claims 1, 15, and 17 – 19 have been rejected as being allegedly unpatentable over

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